

CS 161 Week 8 Worksheet
References and Recursion (2 points)
Submission Due Date : 03 / 7 / 2021 11.59 pm

C-style , C++ strings :

A. How does the declaration for a function differ between these C style and C++ strings? What extra piece of information do you need for integer arrays vs. strings? How does the declaration for a C++ and C-style string change if you want to modify the contents of the string in the function?

B. How do you make an array of C++ strings? How would you make an array of C-style strings?

2. Describe two differences between a C++ string and a C-style string.

2D array

3. In small groups, define the following terms:

Terms to define: function definition, function call, 1D array, index, 2D array

Now answer these questions :

- How do you access values in 1D array?
- What do you understand by passing parameters in functions?
- How to pass arrays to functions?
- Difference between 1D array and 2D array
 - Row major
 - Variable length array
 - Multidimensional array

4. (A) Write a program to store and calculate the sum of 5 numbers entered by the user using arrays.

(B) How will you use the function to calculate the sum for Part (A). Discuss the challenges you face.

5. Questions on assignment #3. Code at least one function of your choice